

**Notice of Allowability**

Application No.

09/675,121

Examiner

Kevin Quarterman

Applicant(s)

IWASAKI, KATSUYO

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03 September 2003.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☒ The drawings filed on 28 September 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some\* c) ☐ None of the:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
(a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.  
(b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.  
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- 1 ☐ Notice of References Cited (PTO-892)  
2 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3 ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No. \_\_\_\_\_.  
4 ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
- 5 ☐ Notice of Informal Patent Application (PTO-152)  
6 ☐ Interview Summary (PTO-413), Paper No. \_\_\_\_\_.  
7 ☐ Examiner's Amendment/Comment  
8 ☒ Examiner's Statement of Reasons for Allowance  
9 ☐ Other

### **DETAILED ACTION**

#### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 03 September 2003 has been entered.

#### ***Response to Amendment***

2. Applicant's amendment filed 14 July 2003 has been entered.

#### ***Allowable Subject Matter***

3. Claims 1-15 are allowed.

4. The following is an examiner's statement of reasons for allowance: Applicant has amended independent claims 1, 2, and 9 to include in each claim limitations that the side beams of three electron beams being displaced as a whole in a direction parallel to the in-line plane on the electron gun. Applicant argues that the applied prior art (Ueda) does not disclose a bipolar barrel magnetic field acting upon the electron beams, and therefore, does not provide a configuration that displaces the electron beam as a whole. Applicant's arguments are persuasive.

5. Therefore, regarding independent claim 1, the prior art of record neither shows or suggests a color cathode ray tube with an in-line electron gun comprising, in addition to

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other limitations of the claim, means for displacing the side beams as a whole in a direction parallel to the in-line plane corresponding to the side beams. Due to its dependency upon independent claim 1, claim 13 is also allowable.

6. Regarding independent claim 2, the prior art of record neither shows or suggests a color cathode ray tube with an in-line electron gun comprising, in addition to other limitations of the claim, a localized bipolar barrel magnetic field formed between two pairs of members for generating a magnetic field to displace the side beams as a whole in a direction parallel to the in-line plane corresponding to the side beams. Due to their dependency upon independent claim 2, claims 3-8 and 14 are also allowable.

7. Regarding independent claim 9, the prior art of record neither shows or suggests a color cathode ray tube with an in-line electron gun comprising, in addition to other limitations of the claim, a bipolar barrel magnetic field for displacing the side beams as a whole in a direction parallel to the in-line plane formed between two pairs of plate members having plate magnetic bodies. Due to their dependency upon independent claim 9, claims 10-12 and 15 are also allowable.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (703) 308-6546. The examiner can normally be reached on M-F (8-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Kevin Quarterman  
Examiner  
Art Unit 2879

kq *HQ*  
December 13, 2003

*for* *Asish*  
Nimesh Patel  
Supervisory Patent Examiner  
Art Unit 2879